# Star & Brand TACKLE BLOCKS

# Manila rope

Drop forged connections—iron, roller, or graphite bronze bushed sheaves—iron work japanned or galvanized—may be furnished with loose swivel hooks, connection E, shackles, connection K, or other connections shown on pages 15 and 16, catalog #115—made in sizes from 3" to 12".

### Regular wood



Sgl. 3001 A

Dbl. 3002 A Tpl. 3003 A

#### Ideal steel



Sgl. 3031 A

Dbl. 3032 A

Tpl. 3033 A

#### **B&L** star metal



Sgl. 3041 A

Dbl. 3042 A

Tpl. 3043 A

#### DATA FOR MANILA ROPE BLOCKS



Sgl. 3101 W Dbl. 3102 W Tpl. 3103 W

	F	Size sheave (inches)						Working load in pounds					
Length shell	For diameter rope	Outside				Center		gular woo Steel wit		В	& L Star / with hoo		
inches	inches	diameter		Thickness at rim		pin diameter	Sgl	DbI	Tpl	Sgl	DЫ	Tpl	
3	3/8	1 3/4	x	1/2	x	3/8	300	400	600	450	600	900	
4	1/2	21/4	x	5/8	X	3/8	450	600	900	700	900	1,500	
5	5/8	3	X	3/4	X	3/8	700	900	1,500	900	1,200	2,200	
6	3/4	31/2	X	1	x	1/2	1,200	1,600	2,000	1,500	2,000	2,500	
8	1	43/4	×	1 1/8	x	5/8	1,800	2,500	3,200	2,200	3,000	3,800	
10	1 1/8	61/4	X	11/4	X	5/8	2,700	3,600	4,400	3,000	4,000	4,800	
12	1 1/4	8	x	1 3/8	X	3/4	3,000	4,000	4,800	3,800	5,000	6,200	

# Self-lubricating nylon shell and sheaves

No. 2 nylon block for %" and ½" manila rope. Available with flatted loose hooks, loose swivel hooks, shackles or other connections. All metal work cadmium plated. Blocks also available with polished bronze straps and connections. For working loads please use 4" regular wood blocks shown in table above.

#### Gin or roofers



DATA FOR GIN BLOCKS

	Si	ze shea (inches)			Pin	Approxi-	
Out- side diam- eter	Thick- ness at rim		Center for diam- eter		diameter rope inches	mate weight each pounds	
8	х	11/4	х	1/2	1	9	
10	X	11/4	x	5/8	1	13	
12	X	1 3/8	×	5/8	1	15	
14	X	1 1/2	x	3/4	11/4	23	

Drop forged flatted stiff swivel hook —iron, roller, or graphite bronze bushed—japanned finish.

# Star & Brand TACKLE BLOCKS

# Wire rope

Drop forged connections—iron or graphite bronze bushed cast iron sheaves or graphite bronze bushed or grooved bronze bushed steel sheaves—japanned or galvanized finish—for other connections please see pages 21 and 24, catalog #115—shackle and yoke connections interchangeable.

# Regular diamond and oval





#### DATA FOR REGULAR DIAMOND AND OVAL BLOCKS

	Sheave	e size —	inches		E		W	orking lo	ad in tor	ıs	
Out- side		Thick- ness		Center	For diameter rope		Blocks with hool	ks	wit	Blocks h shackle	s
diam- eter		at rim		diam- eter	inches	Sgl	ры	Tpl	SgI	DbI	Tpl
4	х	3/4	x	1/2	3/8	3/4	1	1 1/2	1 -	1 1/2	2
6	x	1	X	3/4	3/8	1 1/2	2	21/2	2	21/2	3
8	×	1 1/4	x	7/8	1/2	2	21/2	3	21/2	31/2	41/2
10	X	1 1/4	X	7/8	5/8	21/2	3	31/2	3	41/2	6
12	×	11/2	x	1	5/8	3	41/2	51/2	4	6	7
14	x	1 1/2	x	1 1/8	3/4	41/2	51/2	61/2	5	7	8

# Bosloc



Sgl. 4021 L Dbl. 4022 L Tpl. 4023 L

# Extra heavy oval and diamond



Sgl. 4031 L Dbl. 4032 L Tpl. 4033 L



Sgl. 4041 H Dbl. 4042 H Tpl. 4023 H

#### DATA FOR BOSLOC AND EXTRA HEAVY BLOCKS

Sheave size — inches						Working load in tons						
Out- side	de ness pin		- For - diameter rope	٧	Blocks vith hooks		w	Blocks ith shackle	s			
diam- eter		at rim		eter	inches -	Sgl	ры	Tpl	Sgl	ры	Tpl	
6	x	1	x	3/4	3/8 - 1/2	21/2	3	4	21/2	3	4	
8	x	11/4	x	7/8	1/2 - 5/8	3	4	5	31/2	6	7	
10	x	11/4	x	1	5/8	4	5	7	4	7	8	
12	x	11/2	x	1 1/8	3/4	41/2	6	8	5	10	12	
14	x	1 1/2	x	11/4	3/4 - 7/8	5	7	9	61/2	12	14	
16	X	1 3/4	x	1 1/2	7/8-1	7	8	10	10	15	18	

# Star & Brand SNATCH BLOCKS

# Manila rope

Drop forged connections—iron, roller, or graphite bronze bushed sheaves—iron work japanned or galvanized—for other connections please see page 18, catalog #115—figure 3071 and 3073 drop link pattern available in sizes 4" to 24", figure 3075 safety locking pattern available in sizes 6" to 16".

# Wood



Drop link swivel hook 3071 H

Steel shell



Drop link swivel hook 3073 H

# Eastern



Safety locking swivel hook

#### DATA FOR MANILA ROPE SNATCH BLOCKS

	For		Size sheaves — inches					Working loads in pounds		
Length shell inches	diameter rope inches	Outside diameter		Thickness at rim		Center pin diameter	Drop link	Safety locking		
4	3/4	2	x	7/8	х	3/8	750	800		
6	7/8	3	X	1 1/8	x	1/2	2,400	3,000		
8	1	41/2	X	1 3/8	x	5/8	4,800	5,000		
10	1 1/4	5 3/4	x	1 7/8	x	3/4	6,600	8,000		
12	1 1/2	63/4	X	21/8	×	3/4	7,600	10,000		
14	1 3/4	8	x	21/4	x	7/8	10,000	12,000		
16	2	9	x	2 5/8	x	1	12,000	16,000		
18	21/4	10	x	3	x	1 1/8	12,000	16,000		
20	21/2	11	x	31/2	×	11/4				
22	3	113/4	X	41/4	x	1 1/2	Workin	g loads		
24	31/2	121/2	x	41/2	x	1 1/2	on app	lication		

# Wire rope

Drop forged connections—iron or graphite bronze bushed cast iron sheaves or graphite bronze or grooved bronze bushed steel sheaves—japanned or galvanized finish—for other connections please see page 28, catalog #115—figure 4081 positive locking available in sizes 6" to 16"; figure 4083 drop link pattern available in sizes 4" to 18"; figure 4084 safety locking pattern available in sizes 4" to 20".

#### **Tarbox**



Swivel hook 4081 H

# Steel shell



Drop link swivel hook 4083 H



Safety locking swivel hook 4084 H

#### DATA FOR WIRE ROPE SNATCH BLOCKS

She	eave size — i	nches	For	Working loads tons		
Out-	Thick-	Center	diameter			
side ness pin liam- at diam- eter rim eter		rope – inches	4083	4081 4084		
4	3/4	1/2	3/8	3/4		
6	1	3/4	3/8 - 1/2	1 1/2	2	
8	11/4	7/8	1/2 - 5/8	21/2	3	
10	11/4	1	5/8	31/2	4	
12	1 1/2	1 1/8	3/4	41/2	5	
14	1 1/2	11/4	3/4 - 7/8	51/2	61/2	
16	1 3/4	1 1/2	7/8 - 1	8	10	
18	13/4	1 1/2	1	8	10	
20	21/4	1 3/4	11/4 or 11/2	On application		

# Star & Brand CARGO HOISTERS FOR WIRE ROPE

Drop forged connections—tapered roller bearing with pressure grease lubrication—swivel connections with pressure grease lubrication—genuine Bosloc safety shackles will be supplied unless screw pin shackles are specified—for other connections please see page 65, catalog #115.







Oblong swivel eye 6001 T

#### DATA FOR TAPERED ROLLER BEARING HOISTERS

Sheave diameter inches	Wire diameter inches	Safe working load		Weight	
12	5/8 - 3/4	5	tons	92	
14	5/8 - 3/4	5	tons	102	
14	3/4 - 7/8	10	tons	102	
16	3/4 - 7/8	5	tons	135	
16	3/4 - 1 1/4	10	tons	190	
18	3/4-11/4	10	tons	220	

# Extra heavy iron and steel wire rope sheaves

Extra heavy cast iron wire rope sheaves figure 4231, iron, graphite bronze bushed, or grooved bronze bushed for pressure grease lubrication, japanned or galvanized; steel wire rope sheaves figure 4241, graphite bronze bushed or grooved bronze bushed for pressure grease lubrication, painted grey or galvanized.



Iron Steel 4231 4241

	SIZE SHEAVE IN INCHES										
Out- side diam- eter		Thick- ness at rim		Center pin diam- eter	Thick- ness through hub	For diameter rope inches					
6	x	1	x	5/8-11/4	1 1/16	3/8 - 1/2					
8	x	11/4	x	3/4-11/2	1 3/8	1/2-5/8					
10	x	11/4	x	3/4 - 1 1/2	1 3/8	5/8					
12	x	1 1/2	x	7/8-2	1 5/8	5/8 - 3/4					
14	×	1 1/2	x	1 -21/2	1 5/8	3/4 - 7/8					
16	x	1 3/4	x	1 1/8 - 2 1/4	2	3/4-1					
18	x	1 3/4	x	1 1/4 - 2 1/2	2	3/4-1					
20	×	21/4	x	1 1/2 - 2 1/2	21/2	_					

Other size sheaves on application. Steel wire rope sheaves also available in sizes from 4'' to 36'' with needle, tapered roller, or ball bearings.